

TABLE A-2
FRESHWATER WELLS WITHIN 2-MILE AREA OF REVIEW
BUCKEYE TERMINAL, LLC
WOODHAVEN TERMINAL
WAYNE COUNTY, MICHIGAN

WELLID	USE	OWNER NAME	COUNTY	DEPTH (feet)	DATE	SECTION	TOWNSHIP	RANGE	EASTING	NORTHING
82000001604	OTHER	MARATHON OIL*	Wayne	1156	5/3/68	22	04S	10E	-83.226748	42.13917558
82000001606	OTHER	MOBIL OIL CO.	Wayne	365	11/14/67	22	04S	10E	-83.227492	42.13530271
82000001607	OTHER	MARATHON OIL CO.*	Wayne	1155	2/19/69	22	04S	10E	-83.229152	42.13851764
82000001609	OTHER	MARATHON OIL CO.*	Wayne	1153	3/7/68	22	04S	10E	-83.227232	42.13866968
82000001611	OTHER	MARATHON OIL CO.*	Wayne	1142	4/18/72	22	04S	10E	-83.226853	42.13621126

NOTES:

Source: Michigan Department of Environmental Quality - Wellogic Systems

Datum: NAD27

* - Cavern Well

B. MAPS OF WELLS (AREA OF REVIEW)

B.1 MAPS

Figure B-1 was prepared using a compilation of USGS 7 ½ minute series topographic quadrangle maps: Flat Rock NE, MI; Wyandotte, MI, ON; Flat Rock, MI; and Rockwood, MI. This figure shows the proposed injection well locations, the property boundary, the AOR for the proposed injection wells, surface features, and one listed Hazardous Waste Treatment, Storage, or Disposal Facilities (TSDF) (see Attachment B.3). There are no known faults within the AOR.

Figure B-2 illustrates the property boundary, the AOR boundary, freshwater and non-freshwater penetrations, and cross section line locations for regional cross sections provided in Attachment F.

B.2 ADJACENT LANDOWNERS

Table B-1 is a list of property landowners that are within ¼ mile radius of the proposed injection well locations (Figure B-3).

B.3 HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES (TSDF)

A search of the TSDF in the vicinity of the Woodhaven Terminal was conducted using the EPA Enforcement and Compliance History Online Facility Search (2017). One TSDF is located within the AOR as shown on Figure B-1:

- 1 Solutia Inc. (Resource Conservation and Recovery Act [RCRA] ID: MID009708678)
5045 W. Jefferson Ave.
Trenton, MI
Current Compliance Status: Noncompliance
Designation: Conditionally Exempt Small Quantity Generator (CESQG)
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B.4 PROTOCOL FOR IDENTIFYING WELLS

B.4.1 NON-FRESHWATER RECORDS

Records for oil and gas wells in the state of Michigan are maintained by the Mineral Wells Division of the Michigan Department of Environmental Quality (MDEQ), which is the primary regulatory agency that enforces compliance with oil and gas rules and regulations. Well permits, completions, and pluggings filed with this agency are maintained by county, township, range and section number.

Information on non-freshwater wells located in the AOR was reviewed. Well data available from public records within the AOR for non-freshwater wells are tabulated in Table A-1. Twenty-three (23) non-freshwater wells were identified within the AOR. The non-freshwater wells include:

- Active liquefied petroleum gas storage – 8 wells;
- Gas storage (plugging approved) - 8 wells;

- Brine disposal - 1 well;
- Dry and abandoned - 4 wells; and
- Abandoned locations - 2 wells.

The above wells include active storage caverns near the site formerly operated by Marathon Oil Co. (five storage caverns, one disposal well, and three brine recovery wells). The storage caverns near the site operated by Phillips Petroleum Co. (two caverns and one brine disposal well) and Mobil Oil Co. (four caverns and two brine disposal wells) were previously operated, but have since been plugged and abandoned. The locations of these wells are indicated on Figure B-2.

Two of the wells within the AOR penetrate the top of the confining zone, Utica-Trenton, which is projected to occur at a depth of approximately 2,060 feet bgs. Well API # 21163004199000 is listed as dry and abandoned. Well API # 21163001468000 is a salt water disposal well approved to be plugged, operated by Marathon Oil Co. A geophysical log recorded downhole at Well API # 21163001468000 is shown on the cross section provided in Figures F-4 and F-5 in Attachment D. As demonstrated in Attachment C, no corrective action is necessary for this site.

B.4.2 FRESHWATER RECORDS

Water well records available for the State of Michigan are maintained by the MDEQ – Water Bureau. The filing system used is referenced by section, township, and range. Well data available from public records for freshwater wells within the AOR are tabulated in Table A-2. Eight freshwater wells are listed and indicated on Figure B-1.

List of Tables in Attachment B

Table B-1 Adjacent Landowners List

List of Figures in Attachment B

Figure B-1 Topographic Map of Area of Review

Figure B-2 Area of Review Map

Figure B-3 Property Owner Map

TABLE B-1

**ADJACENT LANDOWNERS LIST
BUCKEYE TERMINALS, LLC
WOODHAVEN TERMINAL
WAYNE COUNTY, MICHIGAN**

- | | |
|---|---|
| 1. BUCKEYE TERMINAL, LLC
20089 WEST ROAD
WOODHAVEN, MI 48183 | 12. CITY OF WOODHAVEN
21869 WEST ROAD
WOODHAVEN, MI 48183 |
| 2. FORD MOTOR CO- TAX DEPT.
VAN HORN
WOODHAVEN, MI 48183 | 13. FORD MOTOR CO. - TAX DEPT.
24189 ALLEN ROAD
WOODHAVEN, MI 48183 |
| 3. WOLVERNINE PROPERTIES
WEST ROAD
WOODHAVEN, MI 48183 | 14. ALLEN WOOD PROPERTIES
23979 ALLEN ROAD
WOODHAVEN, MI 48183 |
| 4. WORLD OF BEER
20970 WEST ROAD
WOODHAVEN, MI 48183 | 15. MORETTI LAND CO.
23933 ALLEN ROAD
WOODHAVEN, MI 48183 |
| 5. BAGGER DAVES BURGER
20980 WEST ROAD
WOODHAVEN, MI 48183 | 16. MORETTI FOUNDATION
23933 ALLEN ROAD
WOODHAVEN, MI 48183 |
| 6. TST EXPEDITED SERVICES
20985 WEST ROAD
WOODHAVEN, MI 48183 | 17. DBT PROPERTIES LLC
23901 ALLEN ROAD
WOODHAVEN, MI 48183 |
| 7. WOODHAVEN VILLAGE SQUARE
23420 ALLEN ROAD
WOODHAVEN, MI 48183 | 18. MARATHON ASHLAND PETROLEUM
ALLEN ROAD
WOODHAVEN, MI 48183 |
| 8. MCINERNEY'S WOODHAVEN CHRYSLER
23940 ALLEN ROAD
WOODHAVEN, MI 48183 | 19. RODGERS HOLDINGS LLC
23755 ALLEN RD
WOODHAVEN, MI 48183 |
| 9. BUCKEYE PIPE LINE CO.
24002 ALLEN ROAD
WOODHAVEN, MI 48183 | 20. FORD MOTOR COMPANY-TAX DEPT
ALLEN RD
WOODHAVEN, MI 48183 |
| 10. MARATHON ASHLAND PETROLEUM CO.
24400 ALLEN ROAD
WOODHAVEN, MI 48183 | 21. FLYING J, IHOP AND SUBWAY
21055 WEST ROAD
WOODHAVEN, MI 48183 |
| 11. MEIJER INC.
22600 ALLEN ROAD
WOODHAVEN, MI 48183 | |